

- [58] **Field of Search** 73/496, 652, 654, 644,
73/649, 660, 661, 862.59; 310/328, 329, 338

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|-----------|--------|---------------------|---------|
| 1,702,456 | 2/1929 | Trumpler | 73/652 |
| 2,849,629 | 8/1958 | Kissinger | 310/329 |
| 3,027,758 | 6/1958 | Kirsten et al. | 73/661 |
| 3,081,622 | 3/1963 | Intraub et al. | 73/658 |
| 3,145,311 | 8/1964 | Dickey | 310/329 |

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| 3,498,114 | 3/1970 | Garber et al. | 73/649 |
| 3,847,015 | 11/1974 | Blatter | 73/649 |
| 4,038,866 | 8/1977 | Johnson | 73/654 |

Attorney, Agent, or Firm—Mueller and Smith

A probe assemblage for vibration meters of the hand-held variety which exhibits a substantially flat frequency response through 1,000 Hz. The probe structure includes a flat contact surface at its tip for hand-held engagement with the vibratory surface being monitored. The tip is spaced from an articulated ball and socket-like joint which provides for vibration transfer to an associated transducer such as an accelerometer. A compliant material such as Teflon or the like may be positioned intermediate the curved vibration transfer and receiving surfaces of the articulated joint within the probe.

21 Claims, 5 Drawing Sheets

